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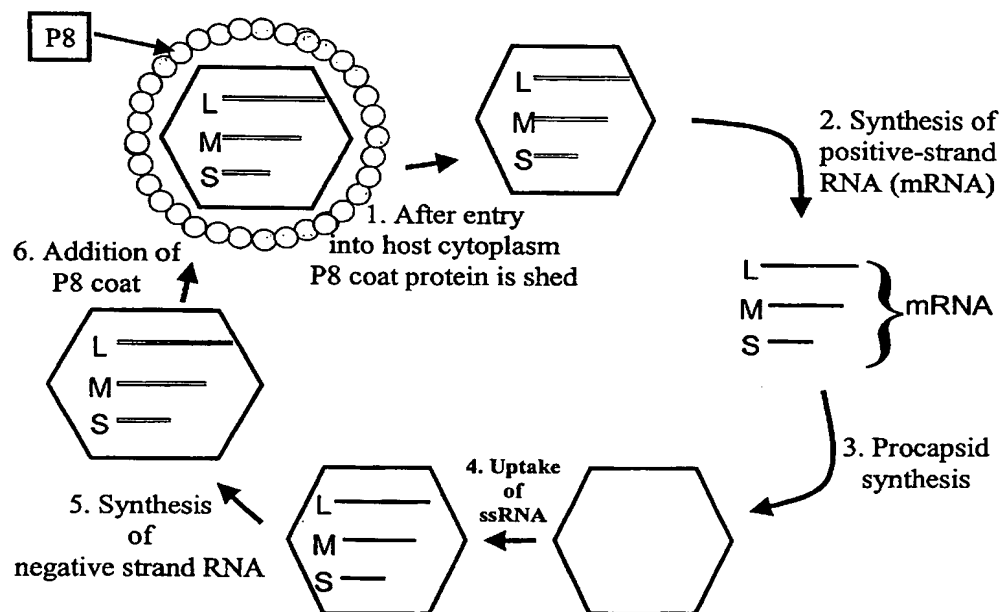
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(54) Title: RECOMBINANT DOUBLE-STRANDED RNA PHAGES AND USES THEREOF



(57) **Abstract:** The present invention provides recombinant double stranded RNA phages (rdsRP) that express dsRNA-encoded genes in eukaryote cells. Recombinant dsRNA phages are useful for the expression of dsRNA expression cassettes encoding passenger genes, such as, but not restricted to, vaccine antigens, bioactive proteins, immunoregulatory proteins, antisense RNAs, and catalytic RNAs in eukaryotic cells or tissues. Methods are provided to deliver a recombinant dsRNA phage to eukaryotic cells and tissues, either by direct administration, formulated in lipid or poly(lactide-co-glycolide), or by utilizing a bacterial vaccine vector.